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CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

REPORT

CD NO.

25X1

COUNTRY	East Germany	DATE DISTR.	7 September 1955
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THIS IS UNEVALUATED INFORMATION

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1. The object was designated 1/98 Ore Washing Plant in Johanngeorgenstadt and had the postal address Johanngeorgenstadt 1/98.

2. Every day about 500 tons of material were received from the shafts [redacted] 124, 1, 18, 51 and 52. The shipments arrived by SIS and Molotov typ[redacted] trucks and by mine cars. The 500 tons included about 150 tons of ty[redacted], about 200 tons of type 3 ore and about 150 tons of type 4 ore. [1] No crated material was received. The material had the following shades: gray, reddish, blueish, yellow and silvergray. The reddish material was loamy, while material in the other shades was of a dry and solid substance.

3. Before the ore was stored in the mai[redacted] radioactivity of the truck loads was tested by a vertical scre[redacted] cm, and of the ore loaded on mine cars by two screens, 70 x 100 cm. The ore was then dumped,[redacted] the grade, into one of the six 250-ton compartments of the mai[redacted] the bunker space was filled, the material was shipped by rail [redacted] cars from the shafts to Zwickau or Freiberg.

4. The output of Object 98 per shift was:

about 65 tin boxes, 40 x 50 x 60 cm, each with a capacity of 40 kg	- 2,600 kg
about 100 buckets, 50 cm high and 40 cm in diameter, capacity about 20 kg -	- 2,000 kg
Total (wet)	4,600 kg
dry	about 4,200 kg

Every Monday, Wednesday and Friday, truck shipments of ore left the washing plant, probably for the so-called Sauna in Aue. The ore boxes and buckets were emptied into trucks, similar to mine cars, and four of these were loaded on one truck. About 45 such trucks left per week. [2]

5. Each of the thre[redacted] women. The pers[redacted]

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Coarse settling bunker:	1 Steiger (mining inspector)
	15 bunker workers
	3 stone crushers
	2 radiometer operators
Crushing plant:	1 Steiger
	2 foremen
	2 transport hands
	1 secretary
	18 conveyor belt operators
Wet processing department:	12 persons operating the coarse settling machines
	16 persons operating the fine settling machines
	12 persons operating the fine settling tables
	6 pump operators
Machine shop:	1 foreman
	2 stokers
	2 unskilled laborers

And maintenance personnel, locksmiths and Soviet personnel.

6. The machinery included:

Crushing plant:	[redacted]
	1 large jaw crusher
	2 small jaw crushers
	2 Seemann type crushers
	1 large magnet unit
	3 compressed air pistols
	3 sorting machines
Washing plant:	25 coarse settling machines
	21 fine settling machines
	72 fine settling tables
	1 pumping station with the coarse settling section
	1 pumping station with the fine settling section
	3 ball mills
	3 washing drums

7. From the bunker the material was hauled by chain conveyors to conveyor belt No 1 and then over riddle sifters. Here radioactive ore was blasted by three pneumatic pistols onto a smaller conveyor belt, which took the ore to a sorting machine where it was also packed in boxes (about 15 per shift). The remaining material returned to conveyor belt No 1. Conveyor belt No 2 took the material over a Schienenrutsche (rail slide) where the finer mass fell on a special belt, while the coarse mass was taken by conveyor belt No 3 to the jaw crushers where it was ground to palm size pieces. Conveyor belt No 7 took the crushed material to a small collecting bunker from which it was hauled to sorting machine No 1 which was equipped with 6 belts with sorting units operated by Soviet personnel. The output of this section was 4 or 5 boxes per shift. Leaving sorting machine No 1, the material was moved further to sorting machine No 2 which produced 2 or 3 boxes of ore per shift. Waste rocks were taken by a conveyor belt to the waste bunker. The boxes containing sorted ore were checked at the test stand and then emptied into the lorries to be loaded on trucks.
The fine material sifted by the rail slide was taken by conveyor belt No 8 to sorting machine No 3 which had an output of 2 or 3 boxes per shift. Lower grade material was conveyed to sorting machine No 2 which sorted 5 or 6 boxes of ore per shift. Leaving sorting machine No 2, the material was taken to sorting machine No 4 where another 1 or 2 boxes were sorted and, like the ore sorted by No 1 and 3 checked at the test stand and poured into the lorries which were shipped away by trucks.

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8. From ore sorting plant No 4 the remaining material went through two small jaw crushers and then to [redacted] emann type [redacted] crushed to hazelnut size, the material was [redacted] four 200-ton fi[redacted]ttling bunkers at the wet processing departm[redacted]e material was washed on slides with water and flushed into the drums to be washed and sifted. From these drums the mass was flushed to the coarse settling machines where the heavy ore settled [redacted] tin boxes. Each shift produced 20 to 30 [redacted] settling machine was ground to grit size and further transported to the fine settling machines. The settled fine ore [redacted] eter; of which 50 [redacted] o the water basins where more ore settled and further over the fine settling tables. The mud from the water basins was discharged through pipe lines into a mud settling pond.

On the fine settling tables lime was added to the flow. The ore settled in groves on the table while the remaining mud and the lime were discharged through pipe lines into the mud pond. The ore settled in the grooves was also filled in buckets. The output of each shift was 30 to 40 buckets.
The ore produced by the coarse settling machines, the fine settling machines and the fine settling tables was checked at the test stand, then dried by steam in the dry[redacted]d for one or two days before it was shipped away by tr[redacted].

9. Gutrin (fnu), a Soviet, [redacted] was chief of Object 98. Walter Gulde, a German, [redacted] SED member was mining inspector at the crushing plant. 25X1

1. [redacted] Comment. According to information covering the same period [redacted] 40,000 to 45,000 tons - 15 percent of Type III ore were shipped to Object 98 every month. This figure is about three times as high as the figure given by the present report:

200 tons of type III ore per day - a maximum of 6,000 tons per month
500 tons of ore (total) per day - a maximum of 15,000 tons per month.

[redacted] 25X1

2. [redacted] Comment. The weight does not agree with the dimensions of the tin boxes and buckets which would have volumes of about 120 dm^3 and about 60 dm^3 respectively. The specific weight of the content would consequently be 0.3 to 0.4 kg/dm^3 which is absolutely impossible. The production figure does not agree with the outgoing shipments.

3. [redacted] Comment. For a schematic sketch of the ore sorting and washing process, see Annex. 25X1

[redacted] 25X1

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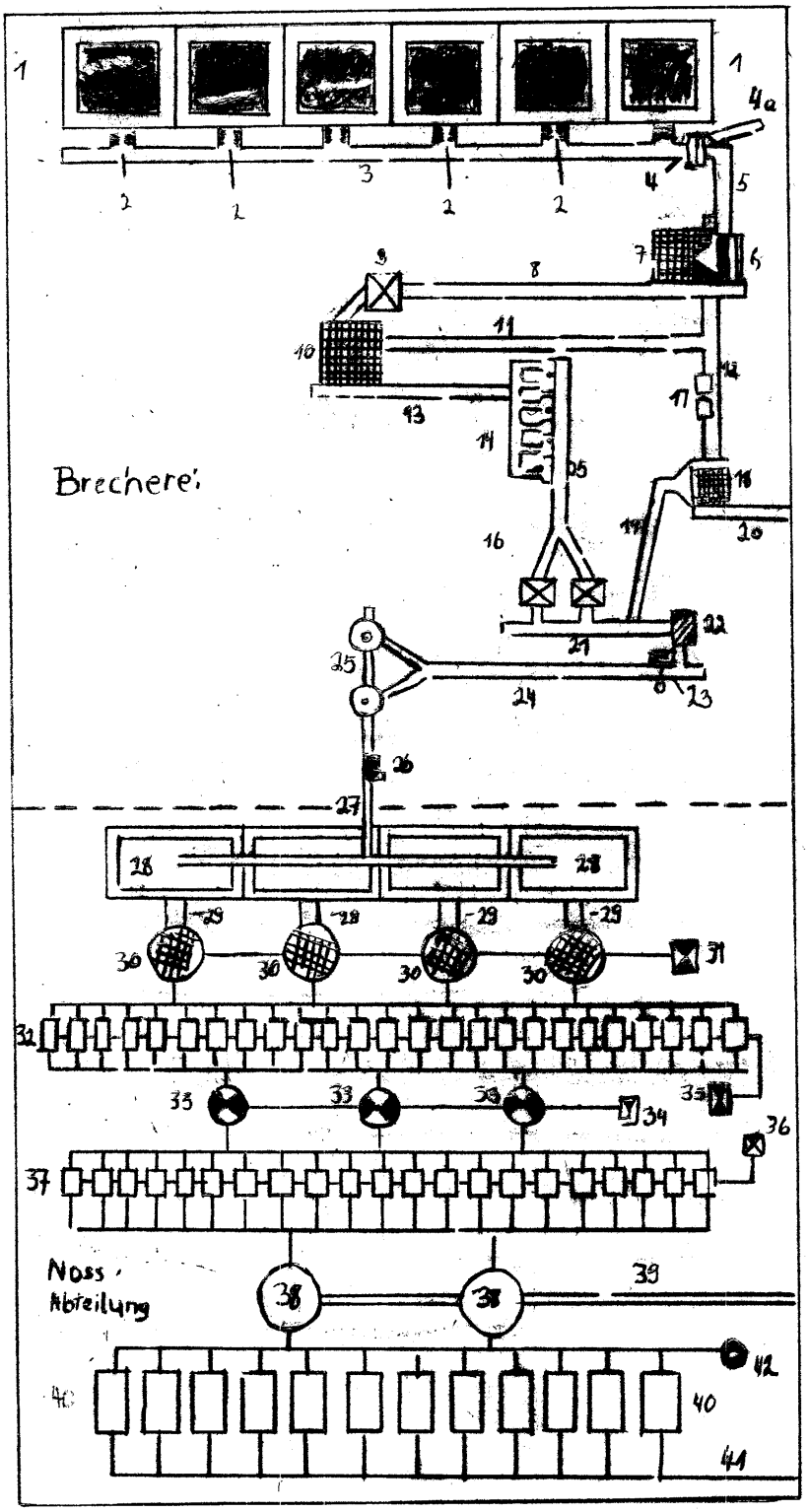
Schematic Sketch of Ore Sorting and Washing Process at Object 98 Ore Washing Plant



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Object 98, Ore Sorting and Washing Plant in Johanngeorgenstadt

Legend

1 Coarse settling bunker with six individual compartments
2 Chain conveyor
3 Conveyor belt No 1
4 Three pneumatic pistols and 3 sorting machines
5 Conveyor belt No 2
6 Rail slide
7 Riddle sifter No 1
8 Conveyor belt No 3
9 Large jaw crusher
10 Riddle sifter No 2
11 Conveyor belt No 6
12 Conveyor belt No 4
13 Conveyor belt No 7
14 Six small sorting belts with ore sorting machines
15 Conveyor belt No 8
16 Two small jaw crushers
17 Two sorting belts with ore sorting machines
18 Riddle sifter No 3
19 Material slide
20 Conveyor belt No 5 to waste dump
21 Conveyor belt No 9
22 Magnet unit for iron
23 Small sorting belt with sorting machine
24 Conveyor belt No 10
25 Two Seemann type crushers
26 Sorting belt with sorting machine
27 Conveyor belts Nos 11 and 12
28 Fine settling bunker
29 Slides
30 Washing drums
31 pump
32 Coarse settling machines
33 Ball mills
34 Pump
35 Pump
36 Pump
37 Fine settling machines
38 Water tanks
39 Pipe line to mud pond
40 Fine settling tables, 12 rows each with 6 units
41 Pipe line to mud pond
42 Lime feeder